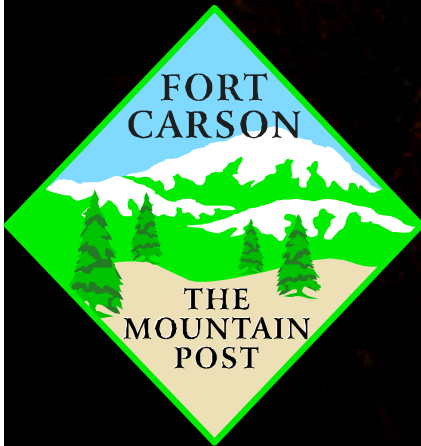




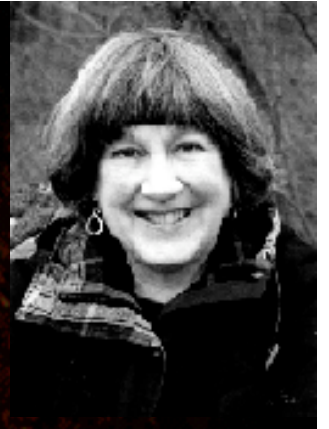
The Pikes Peak Sustainability Indicators Project

Christopher Juniper
Fort Carson Sustainability Team
Vice-president, Natural Capitalism Solutions



natural capitalism solutions

Indicators Overview



“Indicators arise from values
(we measure what we care about)
and they create values
(we care about what we measure).”

Donella Meadows

Indicators Overview

What Are Your Personal
Indicators Of:

Progress?

Sustainability?

Quality of Work or Life?

Success?



Pikes Peak Sustainability Indicators Project

Purposes:

Explore indicators as management tool

Explore regional collaboration

Explore sustainability for region

Launch local or regional efforts to carry on

Align community goals with Fort Carson's and each others when cost-effective



Pikes Peak Sustainability Indicators Project

Participants:

Counties: El Paso, Fremont, Pueblo

Cities: Canon City, Colorado Springs,
Florence, Fountain, Manitou Springs,
Pueblo

Technical: Colorado College, Pikes Peak
Area Council of Governments, Pikes
Peak United Way, UCCS

Civic: 30+ organizations represented



Pikes Peak Sustainability Indicators Project

Structure:

Steering Committee of participants

Task Forces:

Nature

Economy

Well-Being

Society

Staff: Fort Carson



Pikes Peak Sustainability Indicators Project



Nature Task Force:

N.1. Land Use

N.2. Biodiversity and Ecosystem Health

N.3. Energy

N.4. Water

N.5. Waste / Solid Waste



Pikes Peak Sustainability Indicators Project

Economy Task Force

E.1. Business - Health of Ind. Businesses

E.2. Economic Vitality - Meeting Local
Economic Development Goals

E.3. Employment - Health of a Citizen's
Relationship to Paid Work

E.4. Sustainable Economy



Pikes Peak Sustainability Indicators Project

Well-Being Task Forces

W.1. Education - Development of Human Capital

W.2. Health - Human Health Performance

W.3. Housing



Pikes Peak Sustainability Indicators Project

Society Task Force

S.1. Community Participation - Our Ability and Inspiration to Work Together

S.2. Crime / Safety

S.3. Culture and Leisure

S.4. Family Health

S.5. Governance

S.6. Mobility

S.7. Seniors

S.8. Youth



El Paso County Health Survey 2004

Findings:

87% say health is good or better, but 20% diagnosed with hypertension or depression and 25% have high cholesterol or are overweight (60-70% for middle aged)

“Neighborhoods that are walking friendly should be the norm” - Rosemary Bakes-Martin, Public Health Administrator

Tobacco, alcohol and drug use rising especially among young adults

19.7% have no health insurance

Colorado Springs Strategic Action Plan 2005-2010

City of Colorado Springs
Strategic Action Plan 2005-2010

City of Colorado Springs

**Strategic Action Plan
2005-2010**

Semiannual Progress Report

April 2005

April 2005



Colorado Springs Strategic Action Plan 2005-2010

6 Focus Areas

Transportation

Public Safety

Infrastructure

Citizen Services and Workforce

Economic Development

Community Development and Growth

34 Objectives

81 Target Measures

Colorado Springs Strategic Action Plan 2005-2010

Transportation: Provide an effective, efficient affordable and **sustainable** transportation network

Public Safety: Proactively safeguard our community as our family by providing principled police and fire services

Infrastructure: Improve and maintain existing infrastructure and leverage opportunities for new infrastructure

Colorado Springs Strategic Action Plan 2005-2010

Citizen Services and City Workforce: Provide an environment that supports a diverse, high performing workforce that delivers superior, cost-effective City services to the public

Economic Development: Foster an environment that makes ColoSpgs an attractive location for quality jobs and businesses **for generations to come**

Community Development and Growth: Preserve **a sustainable** and affordable quality of life while protecting the environment to foster pride in vibrant neighborhoods and promote identification

Colorado Springs Strategic Action Plan 2005-2010

Transportation: Provide an effective,
affordable and sustainable
transportation network

Objective 1.1: Provide funding...to meet present
and future mobility needs

Measures: Ensure sustainable funding

Provide adequate right of way

Sustain a service level of “D” or better for all
major thoroughfares

Colorado Springs Strategic Action Plan 2005-2010

Transportation: Provide an effective,
affordable and sustainable
transportation network

Objective 1.2: Develop multiple transportation
options that are mutually supportive and
function as a single transportation system

Measures: Decrease rider wait time and
increase ridership for city transit system;
expand transit service hours and routes

Establish and implement an access plan linking
major highways to the airport

Colorado Springs Strategic Action Plan 2005-2010

Transportation: Provide an effective,
affordable and sustainable
transportation network

Objective 1.3: Coordinate the development of
transportation systems with land use
planning to promote a livable environment

Measures: Develop zoning ordinances to
protect airport approach and departure
corridors

Index Example: State of the Rockies Report Card - CC (2004)

Overall Vitality Scores: Components

Employment Distribution

Income Distribution

Unemployment Rate

Growth in Average Earnings per Job

Total Employment Growth

USDA Natural Amenities Rank

Poverty Rate

Percent of Population +25 yrs with B.A.

Growth in Businesses Under 10 Employees.

State of the Rockies Report Card - CC

Overall Vitality Scores 1970 - 2000

(Economy / Education / Natural Amenities)

El Paso: 47.8

Fremont: -6.0

Pueblo: -20.5

Denver: 5.3

Teller: 25.4

Douglas: 50.1



PPSIP Indices Proposed:

Ecological Health Index

Local Sources Pollution Index

Economic Vitality Index

Economic Sustainability Index

Community Wealth Leakage Index

Arts Vitality Index

Seniors Vitality Index

Youth Vitality Index

Ecological Footprinting:

Wales and Sonoma County so far

(Wales surveys citizens about footprint attitudes; found 60% ready for lifestyle changes and 85%+ believe govt should provide incentives)

Wales: about 12.7 acres required per person

Sonoma County: 22

France: 13

Marin County: 27

Earth Capacity: 4.5

Does this inspire/compel different behavior?

Living Planet Index:

Three Components:

Terrestrial Species Index

Freshwater Species Index

Marine Species Index

Index has declined 40% since 1970

Does this inspire/compel you to action?

The Goal:
An Attractive Conversation

Collaborative Solutions
Convened on the Right Scale

The Benefits of Whole Systems
Approaches

Advantage: Whole-systems

The services of whole systems:

- Discover/exploit synergies
- Avoid missing piece dysfunction
- Reduce unintended consequences



Finding the Whole-systems Advantage:

Linked Predictive and Performance Indicators



- Predictive:

- (1) Processes e.g. policies / incentives / regulations aimed at desired performance;

- (2) Performance measures in linked topics



Predictive / Performance Example

Business (organization) Protection of Natural Capital:



- Predictive:
 - % Employing an SEMS
 - % with adopted sustainability policies
- Performance
 - % organizations that reduce energy and water intensity $>3\%/yr$
 - Annual natural capital value increase



Predictive / Performance Example

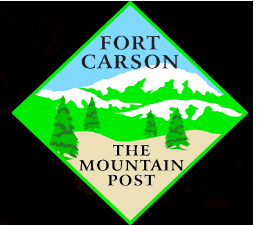
Family Self-sufficiency:

- Predictive:
 - Unemployment rate
 - Economic Vitality Index
 - Production of sustainable housing
 - Policies supporting home internet access
- Performance
 - Family Self-sufficiency Index





Pikes Peak Sustainability Indicators Project



Objectives: Determine if local governments and citizens want to do the following:

- Use indicators as a management tool
- Adopt indicators supportive of Fort Carson's sustainability and general sustainability (quality of life, etc.)
- Adopt indicators in a regionally coordinated and consistent manner



Pikes Peak Sustainability Indicators Project



Next Steps:

- Present Phase I Reports to Local Governments
- Civic organization presentations as invited
- Steering Committee convenes planning for permanent home
- Development of key indicators particularly Indexes



Pikes Peak Sustainability Indicators Project



Potential Homes:

Regional Government Orgs: Action 22

Regional Planning Orgs: Pikes Peak Area
Council of Governments, PACOG, Upper
Arkansas

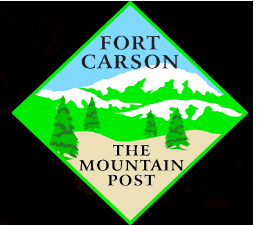
County United Ways

Higher Education: CC, UCCS, CSU

Civic Organizations (e.g. Catamount, Pueblo
2010, Sustainable Pueblo, Economic
Development organizations)



Pikes Peak Sustainability Indicators Project



THANK YOU TO
PROJECT
PARTICIPANTS!!!

